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<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER 64476NAT(46342) U.S. APPLICATION NO. <b>10/557351</b> (if known, see 37 CFR 1.5)
INTERNATIONAL APPLICATION NO. PCT/JP2004/007667	INTERNATIONAL FILING DATE 27 May 2004	PRIORITY DATE CLAIMED 28 May 2003
TITLE OF INVENTION ANTIBODY AND USE THEREOF		
APPLICANT(S) FOR DO/EO/US Masaaki Mori et al.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).		
<b>Items 11 to 20 below concern document(s) or information included:</b>		
11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98., Form PTO/SB/08 (1 page) and 5 references 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input checked="" type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		

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U.S. APPLICATION NO. (if known, see 37 CFR 1.51) <div style="font-size: 2em; font-weight: bold; margin-left: 100px;">10/557351</div>	INTERNATIONAL APPLICATION NO. PCT/JP2004/007667	ATTORNEY'S DOCKET NUMBER 64476NAT(46342)																																																																																				
20. <input checked="" type="checkbox"/> Other items or information: Figure 1-28 (28 sheets); Sequence Listing (15 pages); Sequence Statement (2 pages); Sequence Diskette; PCT Request (5 pages); Copy of Cover Page of Published PCT Application No. WO 2004/106382 A1; Copy of International Search Report (Form PCT/ISA/210) (6 pages); Copy of Form PCT/IB/304, PCT/IB/306, Six (6) Receipts in the Case of Original Deposit and translations thereof (12 pages total); & Return Receipt Postcard.																																																																																						
The following fees have been submitted		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">CALCULATIONS</th> <th style="width: 40%;">PTO USE ONLY</th> </tr> </thead> <tbody> <tr> <td colspan="2" style="padding: 5px;">           21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)) ..... \$300           <div style="text-align: right; margin-right: 50px;">\$ 300.00</div> </td> </tr> <tr> <td colspan="2" style="padding: 5px;">           22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))            If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) ..... \$0            All other situations ..... \$200           <div style="text-align: right; margin-right: 50px;">\$ 200.00</div> </td> </tr> <tr> <td colspan="2" style="padding: 5px;">           23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))            If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) ..... \$0            Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority ..... \$100            International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB ..... \$400            All other situations ..... \$500           <div style="text-align: right; margin-right: 50px;">\$ 400.00</div> </td> </tr> <tr> <td colspan="2" style="padding: 5px;"> <b>TOTAL OF 21, 22 and 23 =</b> </td> <td style="padding: 5px; text-align: right;"> <b>\$ 900.00</b> </td> </tr> <tr> <td colspan="2" style="padding: 5px;"> <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)).            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- a. ☐ A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.
- b. ☒ Please charge my Deposit Account No. 04-1105 in the amount of \$ 4,410.00 to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit  
Account No. 04-1105 . A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information  
should not be included on this form. Provide credit card information and authorization on PTO-2038

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be  
filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

David G. Conlin  
EDWARDS ANGELL PALMER & DODGE LLP  
P.O. Box 55874  
Boston, Massachusetts 02205  
(617) 439-4444

  
SIGNATURE

Jonathan M. Sparks, Ph.D.  
NAME

CUSTOMER NUMBER: 21874

53,624  
REGISTRATION NUMBER

AP4 Rec'd PCT/PTO 18 NOV 2005  
10/557351

Application No. (if known): Not Yet Assigned

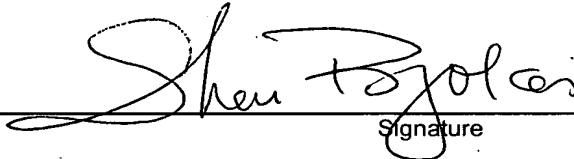
Attorney Docket No.: 64476NAT(46342)

## Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. EV 754 867 875 US in an envelope addressed to:

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Commissioner for Patents  
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Alexandria, VA 22313-1450

on 18 November 2005  
Date



Signature

Sharon Bizokas

Typed or printed name of person signing Certificate

Registration Number, if applicable

(617) 439-4444  
Telephone Number

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

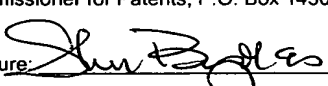
Fee Transmittal (1 page);  
Transmittal Letter to the United States Designated-Elected Office (3 pages);  
Specification including claims & abstract (64 pages); Figures 1-28 (28 sheets);  
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(Form PCT/ISA/210) (6 pages);  
Copy of Form PCT/IB/304 & PCT/IB/306;  
Six (6) Receipts in the Case of Original Deposit and translations thereof (12 pages total);  
Information Disclosure Statement (2 pages), Form PTO-1449 (1 page) and 5 references;  
Declaration and Power of Attorney (4 pages);  
First Preliminary Amendment (11 pages); and  
Return Receipt Postcard.  
Charge \$4,410.00 to deposit account 04-1105

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Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). <b>FEE TRANSMITTAL</b> <b>For FY 2005</b>		<b>Complete if Known</b> Application Number: Not Yet Assigned Filing Date: Concurrently Herewith First Named Inventor: Masaaki Mori Examiner Name: Not Yet Assigned Art Unit: N/A Attorney Docket No.: 64476NAT(46342)	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27			
<b>TOTAL AMOUNT OF PAYMENT</b> (\$) 4,410.00			

<b>METHOD OF PAYMENT</b> (check all that apply)	
<input type="checkbox"/> Check <input checked="" type="checkbox"/> Deposit Account <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> None <input type="checkbox"/> Other (please identify):	Deposit Account Number: 04-1105 Deposit Account Name: Edwards Angell Palmer & Dodge LLP
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)	
<input checked="" type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17	<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee <input checked="" type="checkbox"/> Credit any overpayments

<b>FEE CALCULATION</b>							
<b>1. BASIC FILING, SEARCH, AND EXAMINATION FEES</b>							
Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	
<b>2. EXCESS CLAIM FEES</b>							
<b>Fee Description</b>							<b>Small Entity Fee (\$)</b>
Each claim over 20 (including Reissues)							25
Each independent claim over 3 (including Reissues)							100
Multiple dependent claims							180
<b>Total Claims</b>		<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>	<b>Multiple Dependent Claims</b>		
83		- 20 = 63	x 50 =	3150.00			
<b>Indep. Claims</b>		<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>			
3		- 3 = 0	x 0 =				
<b>3. APPLICATION SIZE FEE</b>							
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).							
<b>Total Sheets</b>	<b>Extra Sheets</b>	<b>Number of each additional 50 or fraction thereof</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>			
92	- 100 =	/50	(round up to a whole number) x				
<b>4. OTHER FEE(S)</b>							
<b>Non-English Specification, \$130 fee (no small entity discount)</b>							
<b>Other (e.g., late filing surcharge):</b>							
1631 Basic National Stage fee							300.00
1633 National Stage Examination Fee - all other ...							200.00
1632 National Stage Search Fee - all other situations							400.00
1615 National Stage claims - extra total (over twenty)							3,150.00
1614 National Stage claims - multiple dependent							360.00

<b>SUBMITTED BY</b>			
Signature	Registration No. (Attorney/Agent)	53,624	Telephone (617) 439-4444
Name (Print/Type)	Jonathan M. Sparks, Ph.D.		Date November 18, 2005
I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 754 867 875 US, in an envelope addressed to: MS PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.			
Dated: November 18, 2005		Signature:  (Sharon Bizokas)	